

PENDING CLAIMS

1. A matrix comprising solid space and interstitial space wherein said interstitial space further comprises an interstitial polymer network.
2. The matrix of claim 1 wherein said solid space comprises solid particles.
3. The matrix of claim 2 wherein said interstitial polymer network is attached to one of said solid particles.
4. The matrix of claim 2 wherein said attachment comprises at least one covalent linkage to said solid particle.
5. The matrix of claim 2 wherein said interstitial polymer network spans at least two of said solid particles.
6. The matrix of claim 2 wherein said interstitial polymer network further comprises a tether molecule.
7. The matrix of claim 2 wherein said solid support further comprises a blocking reagent.
8. The matrix of claim 2 wherein said interstitial polymer network comprises a cross-linked polymer.
9. The matrix of claim 2 wherein said interstitial polymer network further comprises a functional group.
10. The matrix of claim 9 wherein said functional group further comprises a member of a binding pair.
11. The matrix of claim 9 wherein said functional group further comprises a first reactive moiety.
12. The matrix of claim 11 wherein said moiety comprises a chemical catalyst, an enzyme or a chemical reagent.